

Notice of Allowability

Application No.

09/905,215

Applicant(s)

BORDER ET AL.

Examiner

Brandon S. Hoffman

Art Unit

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to remarks filed March 5, 2007.
2. ☒ The allowed claim(s) is/are 1-10, 14-19, 21-25, 29-39, 43-53 and 57.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material
NASSER MOAZZAMI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100 | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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DETAILED ACTION

1. Claims 1-10, 14-19, 21-25, 29-39, 43-53, and 57 are pending in this office action.

Allowable Subject Matter

2. Claims 1-10, 14-19, 21-25, 29-39, 43-53, and 57 are allowed.

3. The following is an examiner's statement of reasons for allowance: the prior art of record fails to teach receiving a spoofing selection parameter for specifying a rule for applying the spoofing parameters, maintaining a profile that contains the spoofing selection parameter, and compensating for a maximum segment size mismatch by resizing the data segments based on the profile.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Craig Plastrik (U.S. Reg. No. 41,254) on May 4, 2007.

Claim 44. (Currently amended). A computer-readable storage medium carrying one or more sequences of one or more instructions for routing information in a communication system that comprises a platform and a spoofing apparatus configured to perform a plurality of performance enhancing functions, the one or more sequences of one or more instructions comprising instructions which, when executed by one or more processors, cause the one or more processors to

receiving the information from the platform and one or more spoofing parameters and a spoofing selection parameter for specifying a rule for applying the spoofing parameters, wherein the spoofing parameters include information for specifying whether spoofing is enabled for a selected one of the connections and priority information specifying priority treatment of the selected connection, wherein the spoofing apparatus maintains a profile that contains the spoofing selection parameter and the spoofing parameters; and to route the information in accordance with the profile, the profile including a maximum segment size; and

compensate for maximum segment size mismatch between the selected connection and a connection to an end host by dynamically resizing, based on the profile, data segments which comprise the information before forwarding the data segments to the end host.

Claim 45. (Currently amended). The computer-readable storage medium of claim 44, further comprising: determining a path that the information takes to reach its destination based on the profile.

Claim 46. (Currently amended). The computer-readable storage medium of claim 45, further comprising: determining the path by applying spoofing rules.

Claim 47. (Currently amended). The computer-readable storage medium of claim 45, wherein the path is determined based on connection control blocks.

Claim 48. (Currently amended). The computer-readable storage medium of claim 47, wherein connection control blocks are allocated using a hash function.

Claim 49. (Currently amended). The computer-readable storage medium of claim 47, wherein connection control blocks are allocated using a mapping table.

Claim 50. (Currently amended). The computer-readable storage medium of claim 46, wherein the spoofing rules are mapped to the profile.

Claim 51. (Currently amended). The computer-readable storage medium of claim 44, further comprising: receiving the at least one of spoofing selection parameters and spoofing parameters as a data structure from the platform.

Claim 52. (Currently amended). The computer-readable storage medium of claim 44, further comprising: receiving at least one of spoofing selection parameters and spoofing

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parameters from the platform at start-up or when the platform receives updated spoofing selection or spoofing parameters.

Claim 53. (Currently amended). The computer-readable storage medium of claim 44, further comprising: applying multiple spoofing rules using boolean operators.

Claim 57. (Currently amended). The computer-readable storage medium of claim 44, wherein the profile further includes a parameter for disabling three-way handshake spoofing.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon S. Hoffman whose telephone number is 571-272-3863. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser G. Moazzami can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brat up

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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

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